MINING CONGRESS JOURNAL

Index to Volume 32

January to December, 1946

Published by

THE AMERICAN MINING CONGRESS

309 Munsey Bldg., Washington 4, D. C.

A

Airborne Magnetometer, The.....July 48
AMERICAN MINING CONGRESS—
Annual Meeting—
Declaration of Policy.....Mar. 56
Mining Congress Holds Forty-Eighth Annual Meeting .....Mar. 48
Review of 1944-'45 Mining Congress Activities, by Julian D. Conover.....Mar. 50
Coal Convention—
Annual Coal Convention.....Feb. 26
Preliminary Program and Announcement, Mar. 40
Program Announcement .....Apr. 43
Program Committee, 1947.....Nov. 29
Coal Division Reports—
Alternating Current for Mine Transmission and Distribution, by D. E. Renshaw May 41
Causes and Prevention of Mine Roof Falls, by Frank G. Smith.....Apr. 39
"Coal's Future" Highlights Discussions at 1946 Convention .....May 53
Color Coding of External Motor and Starter Terminals .....Jan. 46
Crossovers For Mine Tracks in Single and Double Entries .....July 52
Mechanical Cleaning for Full Seam Mining, Dec. 24
Pillar Recovery with Mechanical Loading, Sept. 43
Pillar Recovery in Thin Seam Mining Oct. 91
Profitable Coal Production by Continuous Face Mining, by Richard A. Suppes Nov. 41
Service Haulage Under Various Seam Conditions .....Mar. 44
Training Supervisors in Preventive Maintenance, by John Harsany.....Aug. 74
Western Division—
Committee Outlines Metal Convention Program .....July 27
Declaration of Policy.....Oct. 50
Denver to Welcome Metal Miners....Aug. 38
Digest of Convention Papers.....Oct. 60
Exposition Preview .....Aug. 47
Metal Mining Convention and Exposition Prove Huge Successes.....Oct. 43
Anthracite, by William H. Lesser.....Feb. 32
Anthracite Region, Flood Prevention and Control in the, by S. H. Ash.....Mar. 32
Antimony, by Worthen Bradley.....Feb. 63
Atomic Energy—Part I, by Arthur L. Hughes, June 22
Atomic Energy—Part II, by Arthur L. Hughes, July 45

B

Barytes Operations in Arkansas, by O. J. Benston .....June 26
Bauxite Mine—A New Idea in Drill Boosters, by Julian A. Fuller.....Mar. 30
BOOK REVIEWS—
Ball and Roller Bearing Engineering....Jan. 73
Engineering Preview .....Jan. 73
Fluorochemistry .....June 72
How to Handle Collective Bargaining Negotiations .....Jan. 73
Bottom Dump Skip at Butte, A, by W. R. Catrow .....Mar. 24
Britain's Coal Problem, Will Nationalization Solve .....Sept. 24

C

COAL—
Bituminous Coal's Wartime Record and Future Prospects, by R. E. Howe.....Feb. 28
Coal Dust Suppression by Water Infusion, **Mar. 60**
Economic Problems of the Coal Industry, by G. A. Lamb.....May 36
Economics of Domestic Heating, by B. R. Gebhart .....June 32
Economics of Higher Coal Recovery (Discussion), by Eugene McAuliffe.....Apr. 59
Economics of Higher Coal Recovery (Discussion), by L. E. Young.....Apr. 56
Locomotive Fuel Economics, by John I. Yellott .....June 30
Rock Tunneling, by Thomas Murphy....July 22
Will Nationalization Solve Britain's Coal Problem? .....Sept. 24
World's Largest Coal Mine.....Oct. 28
COAL PREPARATION—
Anthracite Enlarges Preparation Facilities, by W. J. Parton.....Feb. 91
Cleaning Anthracite Small Sizes, by W. H. Lesser .....June 36
Coal Preparation, by F. Earle Snarr....Feb. 88
Double Screening Will Provide Outlet for Slack, by Howard Zeller.....Feb. 90
Drying Coal Thermally and Mechanically, by Laning Dress.....June 34
Electric Equipment for Modern Coal Preparation Plants, by J. T. Bailey.....Aug. 57
Heavy Density Processes for Coal Beneficiation, by D. H. Davis.....June 33
Mechanical Cleaning for Full Seam Mining, Dec. 24
Mines Must Meet Demand for Stoker Coal, by C. V. Beck.....Feb. 91
New Developments in Coal Cleaning, by J. M. Gondar.....Feb. 89
Sales of Mechanical Loading and Cleaning Equipment—Coal Mines, by W. H. Young and R. L. Anderson.....Feb. 106
Coeur d'Alene District—
Activity in the Pine Creek Area, by Harry W. Ingalls .....July 40
Color Coding of External Motor and Starter Terminals .....Jan. 46
Copper in 1945, by F. H. Hayes and D. L. Forrester .....Feb. 41
Cripple Creek Increases Production, by Margaret Geddes and Kenneth Geddes.....Aug. 25

D

Developing for the Future, by C. C. Conway and Fred A. Miller.....Jan. 40
Developments in Underground Drilling and Blasting Practice, by W. T. Warren....Oct. 39
Diesel Locomotive for Underground Haulage, by C. W. Plumb.....Dec. 26
DRILLING—
Drilling and Blasting Practice, Developments in Underground, by W. T. Warren, Oct. 39
Improved Type Core Barrel, by J. L. Havlick, Apr. 55
Dump Skip at Butte, A Bottom, by W. R. Catrow .....Mar. 24

E

Economic Problems of the Coal Industry, by G. A. Lamb.....May 36
Economics of Domestic Heating, by B. R. Gebhart .....June 32
Economics of Higher Coal Recovery (Discussion), by L. E. Young.....Apr. 56
Economics of Higher Coal Recovery (Discussion), by Eugene McAuliffe.....Apr. 59
EDITORIALS—
Again Mr. Lewis.....Nov. 19
Atomic Power .....May 25
Coal and Public Relations.....Mar. 28
Enact the Stockpiling Bill.....Jan. 21
Government Control and the Coal Industry, Sept. 23
"Have" Versus "Have Not".....Mar. 23
"Hitting Below the Belt".....Apr. 31
Labor Legislation .....Feb. 25
Legislation for Industrial Peace.....Dec. 19
Mining in 1946.....Jan. 21
Mining and the College Graduate.....Aug. 21
More Pay for Less Work.....Dec. 19
Now the Real Problem.....Aug. 21
The People Have Spoken.....Nov. 19
The Power to Tax is the Power to Destroy, May 25
Relief and Morale.....Nov. 19
The Responsibility of Labor Leadership.June 21
The Right to Strike.....Oct. 23
"Seek and Ye Shall Find" (Matthew VII, 7), July 21
Where Reimbursement Is Due.....Feb. 25

F

Ferro-Alloy Metals, by G. K. Herzog.....Feb. 58
Flood Prevention and Control in the Anthracite Region, by S. H. Ash.....Mar. 32
Flotation Concentrates as a Source of Sulphur, by W. W. Duecker and E. W. Eddy....Oct. 85
Future of Gold, by Donald H. McLaughlin Nov. 36

G

Geological Survey May Serve the Mining Industry, How the U. S.....Dec. 37
Geophysical Surveys from Air, New Instrument Makes .....June 25
GOLD—
Cripple Creek Increases Production, by Kenneth Geddes and Margaret Geddes....Aug. 25
Gold Dredging in California, by H. A. Sawin, Aug. 61
Gold, The Future of, by Donald H. McLaughlin .....Nov. 36
Gold Mining Enters the Post-War Era, by Merrill E. Shoup.....Feb. 51
Government, Wheels of, by A. W. Dickinson, Jan. 53, Feb. 117, Mar. 63, Apr. 71, May 61, June 59, July 57, Aug. 79, Sept. 47, Oct. 95, Nov. 43, Dec. 47

H

Harding Mine, Spiral Concentrator Recovers Tantalum Ores at the, by John A. Wood Jan. 44

HAULAGE—

Crossovers for Mine Tracks in Single and Double Entries ..... July 52
Diesel Locomotive for Underground Haulage, by C. W. Plumb..... Dec. 26
Haulage, Underground Belt—How and Why? (Part I), by Clinton W. Thompson..Dec. 30
Service Haulage Under Various Seam Conditions ..... Mar. 44
Underground Haulage with Belt Conveyors, by Ray Cobb..... June 42
Underground Haulage with Locomotives and Mine Cars, by C. R. Nailler and C. C. Hagenbuch ..... June 41
How the U. S. G. S. May Serve the Mining Industry, by R. N. Hunt..... Dec. 37

I

Idaho Mining Association, The Birth and Development of, by Irvin E. Rockwell.....Sept. 62
Iron Ore, by Verne D. Johnston..... Feb. 37
Iron Ore Pay, Making Low Grade, by A. J. Wiseley ..... Aug. 22
Iron and Steel Scrap, by Edwin K. Jenckes, Feb. 110

L

Ladders and Stairs for Mines, Construction and Maintenance of ..... July 54
Lead, by Charles White Merrill and Richard H. Mote ..... Feb. 44
Light Metals, Trends in the, by John H. Weitz, Feb. 61
Locomotive Fuel Economics, by John I. Yellott, June 30

M

Magnetometer, The Airborne..... July 48

MAINTENANCE—

Coal Mine Maintenance Organization, by J. F. Mazza..... Nov. 30
Equipment Maintenance, by William Burnett, June 45
Modernizing the Mine Organization, by R. E. Salvati ..... June 44
Training Supervisors in Preventive Maintenance, by John Harsany..... Aug. 74
Manganese, Open Pit Mining for, by D. E. Eilertsen and J. W. Feiss..... Sept. 28

MECHANIZED MINING—

Arizona Observations, by H. H. Angst..Feb. 98
Developing for the Future, by C. C. Conway and Fred A. Miller..... Jan. 40
Developments in the Tri-State, by S. S. Clarke ..... Feb. 96
Electric Equipment for Modern Coal Preparation Plants, by J. T. Bailey..... Aug. 57
The Grandview Mine..... Jan. 26
Mechanical Mining in Thin Seams, by John J. Snure ..... June 38
Mechanical Mining in Thick Seams, by George R. Higinbotham ..... June 39
Mechanical Mucking in Vertical Shaft Sinking, by George M. Grismer..... Nov. 32
Mechanization of Operations in Potash Mining, by G. T. Harley..... Nov. 24
Mechanization in Western Kentucky, by Sterling S. Lanier, Jr..... Apr. 32
Mechanized Mining in Eastern Ohio, by A. F. Whitt and E. F. Maurer..... Oct. 35
Modernizing the Mines of Ohio, by L. J. Lorms ..... May 31
New Equipment and Methods in Metal Mining ..... Feb. 93
New Equipment and Methods in Metal Mining in the Coeur d'Alene District, by J. B. Haffner ..... Feb. 94
New Equipment and Methods in Metal Mining in Eastern Tennessee, by H. A. Coy, Feb. 95
Oregon Coal Mine Steps Up Production, by Ralph S. Mason..... Jan. 32
Pillar Recovery with Mechanical Loading, Sept. 43
Pillar Recovery in Thin Seam Mining...Oct. 91
Profitable Coal Production by Continuous Face Mining, by Richard A. Suppes...Nov. 41
Sales of Mechanical Loading and Cleaning Equipment—Coal Mines, by W. H. Young and R. L. Anderson..... Feb. 106
Shaker Conveyors for Block Caving, by Robert W. Thomas..... Dec. 20
Top Cutters in Mechanized Mines, by P. R. Paulick ..... Jan. 22
Trends in Mechanical Mining of Bituminous Coal, by L. E. Young..... Feb. 77
The Williams River Mine..... Sept. 34
Mercury Meanderings—Part I, by Worthen Bradley ..... Jan. 36
Mercury Meanderings—Part II, by Worthen Bradley ..... Mar. 35
Metal Mining Methods, New, by Philip B. Bucky ..... Apr. 62
Metal Subsidies, by Julian D. Conover....May 46
Milling Methods, Trends in, by A. W. Schlecten, Feb. 99
Mineral Policies, National, by Hon. J. A. Krug, Oct. 24

N

National Mineral Policies, by Hon. J. A. Krug, Oct. 24
New Equipment and Methods in Metal Mining, Feb. 93

NEW EQUIPMENT—

"Air-Pak" Approved by Bureau of Mines Nov. 63
All-Manganese Steel Welded Type Dippers, Sept. 66
All Steel Squirrel Cage Induction Motor by Westinghouse ..... Nov. 63
AW-80 Air-Winch ..... Sept. 66
Buckeye Clipper Shovel..... May 79
Cast-Welded Dipper ..... Apr. 90
Davey Offers New Compressor..... Dec. 62
Drafting Pencil ..... Mar. 79
Dust Collector with High Portability Employs Two-stage Air Cleaning..... June 74
Dust Goggle ..... Mar. 78
Extends Line of Protected-Type Motors. Feb. 137
Face Shield for Extra Over-All Protection, Dec. 62
Fire-Fighting Car ..... Jan. 75
Flexigrip Tubing Fitting Eliminates End Preparation ..... Feb. 139
Flexible Gear Drive..... Oct. 111
Flexible Tubing ..... Jan. 74
G-E Builds Largest Narrow Gage Diesel-Electrics ..... July 75
Grease for Ball and Roller Bearing Motors, Jan. 75
Grooving-Tool Blade ..... July 74
"Handiwick" ..... Feb. 139
High Pressure Dual Edge Asbestos Packing Now in R/M Line..... Oct. 111
Huge Drag-line to Mine Florida Phosphate, Oct. 110
Hydroseal Pump ..... Aug. 94
Idler for Belt Conveyors..... July 74
Lamps Now Permanently Locked..... Feb. 138
"Liberty" Ratchet Drill-Driver..... Aug. 95
Lightweight Flexible Tubing Exhausts Air, Dust, Spray ..... Dec. 63
Link-Belt Electrofluid Drive Announced Dec. 62
Long Life Chain Conveyor Reduces Power Consumption ..... Mar. 79
Low-Priced Welder ..... Feb. 138
Lubricator for Air Tools..... May 78
Magnetic Drill Extractor..... Aug. 95
Marion Develops the 151-M for Heavy Duty Digging ..... Jan. 74
Marion Presents the 111-M..... Aug. 94
Metallic Tires for Heavy Duty Service..June 74
Mine Gathering Pump..... June 74
Mine Roof Jack..... Mar. 78
"Minit Maintenance" ..... Feb. 137
Moisture-Proof Tamping Bag..... Apr. 91
Morris Machine Offers New Pump..... Aug. 94
MSA Protective Mask Generates Its Own Oxygen ..... Jan. 74
MSA Redi-Heat Block for Industrial First Aid ..... Apr. 90
New Molding from MELMAC..... Feb. 139
New Process of Internal Plating Makes Steel Pipe Corrosion-Resistant ..... Feb. 137
New Tire for Shuttle Cars..... Dec. 63
Non-Corrosive Pipe Elbows..... Mar. 78
Portable 5 KVA Brazer..... June 74
Portable Rectifiers for Mining Service..Sept. 66
Power-Feed Switch ..... June 74
Precision Balance ..... Sept. 66
RDX to Have Industrial Use..... Nov. 62
Re-Nu Edge Bar..... Dec. 63
Rock Dust Distributor Features Easy Portability ..... Oct. 110
Safety Feature on Hoist..... Apr. 90
Shinguards for Shuttle Car Tires..... Feb. 137
Shortest Transformers for Mines..... Apr. 90
Shut-Off Valve ..... Mar. 79
Simplified Pressure Lubrication..... Aug. 94
Spherical Roller Bearing..... Apr. 91
Standardization of Bearing Sizes Proposed by SKF ..... Mar. 79
Sullivan FF-211 Slusher..... Feb. 139
Totally Enclosed Fan-Cooled Motor..... May 78
Track Cleaner ..... May 78
Turkish Coal Development..... Mar. 79
Unit-Cooled D-C Motors..... Aug. 95
"Universal" Face Kennamills..... Mar. 78
Vise Forms Wire Rope Loops in One Operation ..... July 74
Wagon Drill ..... Feb. 138
Welding Goggle ..... Oct. 111
Wire Rope Clamp..... Apr. 90
Wire Rope Manual..... Nov. 63
World's Biggest Shovel Dipper Takes 40-Cu. Yd. Bite ..... Nov. 62
New Idea in Drill Boosters, by Julian A. Fuller, Mar. 30
Nickel Industry in 1945, by Robert C. Stanley, Feb. 92
Nonferrous Scrap and Secondary Metals, by Herbert L. Cullen..... Feb. 112
Nonmetallic Mineral Industries, by Oliver Bowles ..... Feb. 73

O

OBITUARIES—

Alderson, Victor C..... May 66
Boose, Albert P..... Dec. 50
Boyle, Hugh C..... Nov. 48
Butchart, William Arthur..... Jan. 28
Cabell, C. A..... June 62
Clark, Edward Hardy..... Feb. 122
Clark, Maurice E..... Oct. 98
Classel, Olaf A..... Oct. 98
Claypool, James Verner..... Oct. 98
Collins, George A..... June 62
Colwing, Thomas A..... Jan. 58
Conway, George B..... Jan. 59
Cummings, Charles E..... July 60
Davis, W. Buford..... Dec. 50
Dorr, Denman ..... June 62
Douglas, Walter ..... Oct. 98
Drury, Walter Maynard..... Aug. 82
Dwight, Arthur Smith..... May 66
Evans, J. Truman..... Dec. 50
Evered, Walter M..... Oct. 98
Guess, Harry A..... May 66
Hall, Harry M..... Dec. 50
Hall, R. G..... Jan. 59
Harrison, C. L..... Dec. 50
Haury, Peter S..... Nov. 48
Hensley, J. E..... Mar. 66
Hills, Frederick Albert..... Nov. 48
Hilton, N. Clif..... Apr. 76
Irving, Henry James..... Nov. 48
Jopling, James E..... Oct. 98
Juenger, Frederic ..... Nov. 48
Laughlin, George M., Jr..... Apr. 76
Lawton, Charles L..... Aug. 82
Leland, Everard ..... Aug. 82
Lewis, Arthur H..... June 62
Loughlin, Dr. G. F..... Dec. 50
Malleis, O. O..... July 60
Maxwell, William A..... Nov. 48
McKinney, Ralph B..... Oct. 98
McNulty, Charles N..... Oct. 98
McSweeny, Henry ..... Mar. 66
Mabbs, John W..... Sept. 52
Maney, Edward J..... Sept. 52
Mansfield, Harvey M..... Feb. 122
Meale, Eric Arthur..... Dec. 50
Miller, Roy ..... May 66
Moser, George F..... June 62
Mumford, George S..... Aug. 82
Newman, William Patrick..... Aug. 82
Pattison, Carroll ..... Sept. 52
Peabody, Stuyvesant ..... July 60
Pitts, William H..... Apr. 76
Rait, Donald M..... Sept. 52
Reilly, Col. William B..... July 60
Rowe, James H..... Jan. 58
Segerstrom, Charles H..... Sept. 52
Smith, Carson W..... Feb. 122
Suhl, Rudolph Louis..... July 60
Sutton, Edward, Sr..... Aug. 82
Swem, D. R..... Apr. 76
Trengove, Stanley A..... Jan. 59
Tweed, George P..... May 66
White, Lemuel C..... Sept. 52
Woods, Luther E., Sr..... June 62

OPEN-PIT MINING—

Barytes Operations in Arkansas, by O. J. Benston ..... June 26
The Large Dragline in Coal Stripping, by R. M. Dickey..... June 49
Making Low Grade Iron Ore Pay, by A. J. Wiseley ..... Aug. 22
Open Pit Mining for Manganese, by D. E. Eilertsen and J. W. Feiss..... Sept. 28
Open Pit Mining in Bituminous Coal, by Richard H. Swallow..... Feb. 88
Reclamation and Conservation of Stripped-Over Lands—Illinois, by James W. Bristow, July 28
Reclamation and Conservation of Stripped-Over Lands—Indiana, by L. E. Sawyer July 26
Reclamation and Conservation of Stripped-Over Lands—Pennsylvania, by R. T. Laing, July 33
Rubber in Open Pit Mining, by J. G. Berry, June 51
Strip Mining Two Seams, by R. Paul Mauger and Clayton Ball..... June 48
Ore Reserves and Future Exploration, by Reno H. Sales ..... Oct. 30
Ore Reserves, Whence Our Future, by George M. Fowler ..... May 34
Oregon Coal Mine Steps Up Production, by

Ralph S. Mason.....Jan. 32
Overload Protection for Mine Locomotives, by D. E. Renshaw.....Apr. 65

P

Phosphate, Potash and, by J. A. Barr....Feb. 69
Potash Mining, Mechanization of Operations in, by G. T. Harley.....Nov. 24
Potash and Phosphate, by J. A. Barr....Feb. 69

POWER—

Alternating Current for Mine Transmission and Distribution, by D. E. Renshaw..May 41
Color Coding of External Motor and Starter Terminals .....Jan. 46
Safety in Power Distribution for Coal Mines, by R. G. Gehlsen.....Mar. 27

PUMPS—

Vertical Turbine Pumps for Mine Use, by Fenmore E. Dunn.....Aug. 65

Q

Quicksilver, by C. H. Schuette.....Feb. 65

R

Rock Tunneling, by Thomas Murphy.....July 22
Role of Safety Equipment in Reducing Coal Mine Accidents, by D. Harrington and R. G. Warncke .....Nov. 20
Roof Falls, Causes and Prevention of Mine, by Frank G. Smith.....Apr. 39
Rope, It May Be You Could Use a Slightly Larger .....Sept. 42

S

SAFETY AND HEALTH—

Collective Bargaining in Health, by Andrew Fletcher .....Dec. 44
Flood Prevention and Control in the Anthracite Region, by S. H. Ash.....Mar. 32
New Floodlight Application Saves Lives on Coal and Ore Loaders, by C. H. Peiffer, Jan. 55
Overload Protection for Mine Locomotives, by D. E. Renshaw.....Apr. 65
The Role of Safety Equipment in Reducing Coal Mine Accidents—Part I, by D. Harrington and R. G. Warncke.....Nov. 20
Safety Equipment in Reducing Coal Mine Accidents—Part II, by D. Harrington and R. G. Warnecke.....Dec. 41
Safety in Mining, by J. T. Ryan and C. M. Donahue .....Feb. 102
Safety in Power Distribution for Coal Mines, by R. G. Gehlsen.....Mar. 27
Safety Practices at Union Pacific, by F. J. Peternell .....June 47
Water Infusion Tests in the U. S., by Carl Scholz .....Mar. 77
Secondary Metals, Nonferrous Scrap and, by Herbert L. Cullen.....Feb. 112
Shaker Conveyors for Block Caving, by Robert W. Thomas.....Dec. 20
Silver Serves Throughout the War, by Hon. Pat McCarran .....Feb. 55
Spiral Concentrator Recovers Tantalum Ores at the Harding Mine, by John A. Wood....Jan. 44

STANDARDIZATION—

Construction and Maintenance of Ladders and Stairs for Mines.....July 54

STOCKPILING—

The "Have-Not" Theory and Metal Prices, by Ira B. Joralemon.....June 54

STRIP MINING (See Open Pit Mining)

Sulphur, Flotation Concentrates as a Source of, by W. W. Duecker and E. W. Eddy Oct. 85
Sulphur, No Reconversion Problems for, by J. T. Claiborne, Jr.....Feb. 67

T

Tantalum Ores at the Harding Mine, Spiral Concentrator Recovers, by John A. Wood, Jan. 44

TAXATION—

Depreciation—Report of the Tax Committee of the A. M. C., by H. B. Fernald....Jan. 48
Titanium .....June 28
Top Cutters in Mechanized Mines, by P. R. Paulick .....Jan. 22
Trends in Mechanical Mining of Bituminous Coal, by L. E. Young.....Feb. 77

U

Ultraviolet Lamp, Locating Uranium with the, by Jack DeMent.....May 26
Underground Belt Haulage—How and Why? (Part I), by Clinton W. Thompson....Dec. 30
Union Pacific, Safety Practices at, by F. J. Peternell .....June 47
Uranium, Locating, With the Ultraviolet Lamp, by Jack DeMent.....May 26

V

VENTILATION—

Increased Ventilation—Its Effect on Dust Concentration in Mine Air, by A. S. Richardson, J. W. Warren and W. C. Williamson .....Sept. 40

W

Wheels of Government (See "Government")
Williams River Mine.....Sept. 34

Z

ZINC—

Grandview Mine, The.....Jan. 26
Zinc Industry, by Ernest V. Gent.....Feb. 47

Index to Authors

A

Anderson, R. L., and W. H. Young, Sales of Mechanical Loading and Cleaning Equipment—Coal Mines .....Feb. 106
Angst, H. H., Arizona Observations.....Feb. 98
Ash, S. H., Flood Prevention and Control in The Anthracite Region.....Mar. 32

B

Bailey, J. T., Electric Equipment for Modern Coal Preparation Plants.....Aug. 57
Ball, Clayton, and R. Paul Mauger, Strip Mining Two Seams.....June 48
Barr, J. A., Potash and Phosphate.....Feb. 69
Beck, C. V., Mines Must Meet Demand for Stoker Fuel .....Feb. 91
Benston, O. J., Barytes Operations in Arkansas .....June 26
Berry, J. G., Rubber in Open Pit Mining..June 51
Bowles, Oliver, Nonmetallic Mineral Industries, Feb. 73
Bradley, Worthen, Antimony.....Feb. 63
Mercury Meanderings—Part I.....Jan. 36
Mercury Meanderings—Part II.....Mar. 35
Bristow, James W., Reclamation and Conservation of Stripped-Over Lands—Illinois, July 28
Bucky, Philip B., New Metal Mining Methods, Apr. 62
Burnett, William, Equipment Maintenance, June 45

C

Catrow, W. R., A Bottom Dump Skip at Butte, Mar. 24
Claiborne, Jr., J. T., No Reconversion Problems for Sulphur.....Feb. 67
Clarke, S. S., Developments in the Tri-State, Feb. 96
Cobb, Ray, Underground Haulage with Belt Conveyors .....June 42
Conover, Julian D., Metal Subsidies.....May 46
Review of 1944-'45 Mining Congress Activities .....Mar. 50
Conway, C. C., and Fred A. Miller, Developing for the Future.....Jan. 40
Coy, H. A., New Equipment and Methods in Metal Mining in Eastern Tennessee....Feb. 95
Cullen, Herbert L., Nonferrous Scrap and Secondary Metals .....Feb. 112

D

Davis, D. H., Heavy Density Processes for Coal Beneficiation .....June 33
DeMent, Jack, Locating Uranium with the Ultraviolet Lamp .....May 26
Dickey, R. M., The Large Dragline in Coal Stripping .....June 49
Dickinson, A. W., Wheels of Government, Jan. 53, Feb. 117, Mar. 63, Apr. 71, May 61, June 59, July 57, Aug. 79, Sept. 47, Oct. 95, Nov. 43, Dec. 47
Donahue, C. M., and J. T. Ryan, Safety in Mining .....Feb. 102
Dress, Laning, Drying Coal Thermally and Mechanically .....June 34
Duecker, W. W., and E. W. Eddy, Flotation Concentrates as a Source of Sulphur....Oct. 85
Dunn, Fenmore E., Vertical Turbine Pumps for Mine Use .....Aug. 65

E

Eddy, E. W., and W. W. Duecker, Flotation Concentrates as a Source of Sulphur....Oct. 85
Eilertsen, D. E, and J. W. Feiss, Open Pit Mining for Manganese.....Sept. 28

F

Feiss, J. W., and D. E. Eilertsen, Open Pit Mining for Manganese.....Sept. 28
Fernald, H. B., Depreciation—Report of the Tax Committee of the A. M. C.....Jan. 48
Fletcher, Andrew, Collective Bargaining in Health .....Dec. 44
Forrester, D. L., and F. H. Hayes, Copper in 1945 .....Feb. 41
Fowler, George M., Whence Our Future Ore Reserves? .....May 34
Fuller, Julian A., A New Idea in Drill Boosters, Mar. 30

G

Gebhart, B. R., Economics of Domestic Heating .....June 32
Geddes, Margaret, and Kenneth Geddes, Cripple Creek Increases Production.....Aug. 25
Gehlsen, R. G., Safety in Power Distribution for Coal Mines.....Mar. 27
Gent, Ernest V., Zinc Industry.....Feb. 47
Gondar, J. M., New Developments in Coal Cleaning .....Feb. 89
Grismer, George M., Mechanical Mucking in Vertical Shaft Sinking.....Nov. 32

H

Haffner, J. B., New Equipment and Methods in Metal Mining in the Coeur d'Alene District .....Feb. 94
Hagenbuch, C. C., and C. R. Nailler, Underground Haulage with Locomotives and Mine Cars .....June 41
Harley, G. T., Mechanization of Operations in Potash Mining .....Nov. 24
Harrington, D., and R. G. Warncke, Role of Safety Equipment in Reducing Coal Mine Accidents—Part I .....Nov. 20
Harrington, D., and R. G. Warncke, Safety Equipment in Reducing Coal Mine Accidents—Part II .....Dec. 41
Harsany, John, Training Supervisors in Preventive Maintenance .....Aug. 74
Havlick, J. L., Improved Type Core Barrel Apr. 55
Hayes, F. H., and D. L. Forrester, Copper in 1945 .....Feb. 41
Herzog, G. K., Ferro-Alloy Metals.....Feb. 58
Higinbotham, George R., Mechanical Mining in Thick Seams.....June 39
Howe, R. E., Bituminous Coal's Wartime Record and Future Prospects.....Feb. 28
Hughes, Arthur L., Atomic Energy—Part I, June 22
Atomic Energy—Part II.....July 45
Hunt, R. N., How The U. S. G. S. May Serve The Mining Industry.....Dec. 37

I

Ingalls, Harry W., Activity in the Pine Creek Area .....July 40

J

Jenckes, Edwin K., Iron and Steel Scrap Feb. 110
Johnston, Verne D., Iron Ore.....Feb. 37
Joralemon, Ira B., The "Have-Not" Theory and Metal Prices .....June 54

K

Krug, Hon. J. A., National Mineral Policies, Oct. 24

L

Laing, R. T., Reclamation and Conservation of Stripped-Over Lands—Pennsylvania ....July 33
Lamb, G. A., Economic Problems of the Coal Industry .....May 36
Lanier, Sterling S., Jr., Mechanization in Western Kentucky .....Apr. 32
Lesser, William H., Anthracite.....Feb. 32
Cleaning Anthracite Small Sizes.....June 36
Lorms, L. J., Modernizing the Mines of Ohio, May 31

Mc

McAuliffe, Eugene, The Economics of Higher Coal Recovery .....Apr. 59
McCarran, Hon. Pat, Silver Serves Throughout the War.....Feb. 55
McLaughlin, Donald H., The Future of Gold, Nov. 36

M

Mason, Ralph S., Oregon Coal Mine Sets Up Production .....Jan. 32
Mauger, R. Paul, and Clayton Ball, Strip Mining Two Seams.....June 48
Maurer, E. F., and A. F. Whitt, Mechanized Mining in Eastern Ohio.....Oct. 35
Mazza, J. F., Coal Mine Maintenance Organization .....Nov. 30
Merrill, Charles White, and Richard H. Mote, Lead .....Feb. 44
Miller, Fred A., and C. C. Conway, Developing for the Future.....Jan. 40
Mote, Richard H., and Charles White Merrill, Lead .....Feb. 44
Murphy, Thomas, Rock Tunneling.....July 22

N

Nailler, C. R., and C. C. Hagenbuch, Underground Haulage with Locomotives and Mine Cars .....June 41

P

Parton, W. J., Anthracite Enlarges Preparation Facilities .....Feb. 91
Paulick, P. R., Top Cutters in Mechanized Mines .....Jan. 22
Peiffer, C. H., New Floodlight Application Saves Lives on Coal and Ore Unloaders Jan. 55
Peternell, F. J., Safety Practices at Union Pacific .....June 47
Plumb, C. W., Diesel Locomotive for Underground Haulage .....Dec. 26

R

Renshaw, D. E., Alternating Current for Mine Transmission and Distribution.....May 41
Overload Protection for Mine Locomotives, Apr. 65
Richardson, A. S., J. W. Warren and W. C. Williamson, Increased Ventilation—Its Effect on Dust Concentration in Mine Air....Sept. 40
Rockwell, Irvin E., Birth and Development of the Idaho Mining Association.....Sept. 62
Ryan, J. T., and C. M. Donahue, Safety in Mining .....Feb. 102

S

Sales, Reno H., Ore Reserves and Future Exploration .....Oct. 30
Salvati, R. E., Modernizing the Mine Organization .....June 44
Sawin, H. A., Gold Dredging in California, Aug. 61
Sawyer, L. E., Reclamation and Conservation of Stripped-Over Lands—Indiana.....July 26
Schlechten, A. W., Trends in Milling Methods, Feb. 99
Schuette, C. N., Quicksilver.....Feb. 65
Shoup, Merrill E., Gold Mining Enters the Post-War Era .....Feb. 51
Smith, Frank G., Causes and Prevention of Mine Roof Falls.....Apr. 39
Snarr, F. Earle, Coal Preparation.....Feb. 88
Snure, John J. Mechanical Mining in Thin Seams .....June 38
Stanley, Robert C., Nickel Industry in 1945, Feb. 92
Suppes, Richard A., Profitable Coal Production by Continuous Face Mining.....Nov. 41
Swallow, Richard H., Open Pit Mining in Bituminous Coal .....Feb. 83

T

Thomas, Robert W., Shaker Conveyors for Block Caving .....Dec. 20
Thompson, Clinton W., Underground Belt Haulage—How and Why? (Part I).....Dec. 30

W

Warncke, R. G., and D. Harrington, The Role of Safety Equipment in Reducing Coal Mine Accidents—Part I .....Nov. 20
Safety Equipment in Reducing Coal Mine Accidents—Part II .....Dec. 41
Warren, J. W., A. S. Richardson and W. C. Williamson, Increased Ventilation—Its Effect on Dust Concentration in Mine Air....Sept. 40
Warren, W. T., Developments in Underground Drilling and Blasting Practice.....Oct. 39
Weitz, John H., Trends in the Light Metals, Feb. 61
Whitt, A. F., and E. F. Maurer, Mechanized Mining in Eastern Ohio.....Oct. 35
Williamson, W. C., A. S. Richardson and J. W. Warren, Increased Ventilation—Its Effect on Dust Concentration in Mine Air.....Sept. 40
Wiseley, A. J., Making Low Grade Iron Ore Pay .....Aug. 22
Wood, John A., Spiral Concentrator Recovers Tantalum Ores at the Harding Mine....Jan. 44

Y

Yellott, John I., Locomotive Fuel Economics, June 30
Young, L. E., The Economics of Higher Coal Recovery .....Apr. 57
Trends in Mechanical Mining of Bituminous Coal .....Feb. 77
Young, W. H., and R. L. Anderson, Sales of Mechanical Loading and Cleaning Equipment—Coal Mines .....Feb. 106

Z

Zeller, Howard, Double Screening Will Provide Outlet for Slack.....Feb. 90